

Copper Antifouling Paint Sub-Workgroup 3/11/04 Meeting Notes

In-Person Participants:

August, Mike, Dept. of Parks & Rec.
Goff, Gina, DBW
Hosea, Bob, DFG
Jerry Boles, DWR
Kubiak, Rachel, DPR
Matuk, Vivian, CCC
Pap, Ruby, BCDC
Reid, Mike, SWRCB
Singhasemanon, Nan, DPR
Ward, Kim, SWRCB

Phone Participants:

Arias, Christina, RWQCB 9
Byerly, Peggy, DPR
Candelaria, Linda, RWQCB 8
Dobalian, Lesley, RWQCB 9
Edwards, Diane, SWRCB
Huckaby, Corinne, RWQCB 3
Kozelka, Peter, U.S. EPA Region 9
Lee, Derek, CCC
Looker, Richard, RWQCB 2
Rebecca, Christmann, RWQCB 4
Seligman, Peter, U.S. Navy, SSC-SD
Sniderman, Lisa, BCDC
Soderberg, Sheila, RWQCB 3

These meeting notes contain highlights of discussion topics, items of continuing interest, and pending action items. Highlighted topics are organized in a bulleted form. Italicized text refers to items of continuing interest which will likely be part of next meeting's agenda. Pending action items are tasks that require immediate attention. These are denoted simply as "Action Item". An attendance list that contains participants' agency names, email addresses, and telephone numbers are attached as an Excel file along with this meeting-notes file.

Introductions/Agenda Review:

- Twenty-three individuals participated in the first Copper Sub-Group meeting. Attendees introduced themselves and expressed their agency's interest on copper antifouling paints.
- Nan Singhasemanon from the Department of Pesticide Regulation (DPR) welcomed the participants and announced that a revised agenda was sent out earlier in the morning. Proposed activities were added to the Activities Section to enhance the discussion and additional time was allocated toward the General Discussion Section. Attendees agreed on the agenda as is with no changes.

Workgroup Purpose and Objectives:

- Nan provided a brief overview of the copper antifouling issues. Nan also mentioned CDPR's initial effort to ascertain how well copper antifouling paints have been studied as potential sources of aquatic copper pollution. This survey of California's resources and regulatory agencies was referred to as the "Copper Summit" and was held in September 2003. DPR concluded that there is a lack of environmental data statewide on copper from antifouling paints. Subsequently, DPR and participating agencies recommended that this assessment be carried out as a workgroup of the NPS IACC Marinas and Recreational Boating Workgroup.
- The workgroup's purpose is to representatively assess the degree and geographical extent of copper pollution from antifouling paints in California's aquatic environments has not been made. Nan also highlighted the sub-group's objectives. Participants agreed on the proposed purpose and objectives. No changes were made.
- Nan inquired about any pressing timelines that existed for data needs (i.e., 303(d) listing TMDL development). To help facilitate responses, Peter Kozelka listed a number of water bodies from the 2002

303(d) listing to participating agencies. Regional Boards' representatives gave status updates on the data assessment and regulatory status of these water bodies. These water bodies are:

<u>RB</u>	<u>Water quality limited segment</u>
2	Oakland inner harbor (sediment)
3	Morro Bay (metals) with boats listed as possible source
4	Marina del Rey
4	Dominguez Channel (sed)
4	LA Harbor (sed)
4	San Pedro near shore (sed)
5	Shasta Lake near west Squaw Creek
8	Newport Bay
9	Shelter Island
9	San Diego Shoreline (sed)

Activities:

- The sub-group agreed on the following activities:
 - Share information, news, and developments
 - Identify and document past and current monitoring studies
 - Identify information gaps & prioritize data needs
 - Pursue current collaborative opportunities
 - Design and execute monitoring study to fill remaining data gaps
 - Provide findings to Copper-Subgroup agencies and the MRBW
- Action Item: DPR will take the lead on identifying and documenting past and current monitoring studies with help from the sub-group. Nan said that he hopes to have an initial compilation of studies to share with the sub-group by the second meeting.
- Several participants suggested that the Copper Sub-Group should also consider pollution caused by non-copper antifoulants. Nan noted that this expansion of the sub-group's scope would shift the current focus on copper antifouling paints to antifoulants in general. *This item should be further discussed at the next meeting.*
- Lesley Dobalian announced that they are currently sampling marinas in San Diego Bay. Lesley suggested that Pete Michael (RWQCB 9) should be consulted on the status of the plan to require copper monitoring in San Diego Bay's marinas and harbors. *Can Lesley or Pete provide a sampling plan for both sampling studies for the next meeting?*
- Peter Seligman noted that the U.S. Navy has just completed a 3-year copper study for San Diego Bay. The U.S. Navy has also done other copper antifouling paint related research in San Diego and Hawaii. Action Item: Nan will contact Peter for files or links on such documents. *Perhaps Peter could give an overview of all the copper-related research done by the U.S. Navy at the next meeting.*

Participants:

- The sub-group discussed if other agencies should be involved. Gina suggested that the U.S. Coast Guard might have interest. Ruby Pap suggested that National Oceanic and Atmospheric Administration has taken some sediment samples in San Francisco Bay marinas and metals data from these samples may be available soon. Action Item: Nan will work with Gina and Ruby on contacting these two agencies.

Meeting Planning:

- Nan briefly covered meeting format and planning. For future Copper Sub-Group meetings, Nan suggested a 2-segment format. One segment will be a “Monitoring/Assessment Update” which will allow for discussions of monitoring studies and collaborative opportunities. The other segment will focus on technical/regulatory “News and Developments”. Nan also proposed that the sub-group meet once every two months initially following the similarly scheduled parent MRBW workgroup. Nan will also initially keep and distribute meeting notes. The sub-group concurred.

General Discussion:

- Lesley gave an update of the copper TMDL and implementation plan. For more information go to <http://www.swrcb.ca.gov/rwqcb9/tmdls/shelter%20island.html>
- The U.S EPA occasionally revises criteria for water quality that accurately reflect the latest scientific knowledge. U.S. EPA recently released the Federal Register item titled “Notice of Availability of Draft Aquatic Life Criteria Document for Copper and Request for Scientific Views” (December 31, 2003). See link for document, <http://www.epa.gov/EPA-WATER/2003/December/Day-31/w32209.htm>. A change in the aquatic life criteria for copper could eventually lead to a change in the CTR in California.
- The sub-group discussed possible implications of the voluntary Tributyltin (TBT) cancellation. See link, <http://www.epa.gov/fedrgstr/EPA-PEST/2003/December/Day-05/p30165.htm>. Would TBT users shift to copper? Peter Seligman noted that TBT is usually used as a “co-antifoulant” typically in combination with copper and other active ingredients. Thus, the TBT cancellation might have minimal effects in terms of increasing copper antifouling paint usage. *This observation should be further discussed at the next meeting.*
- Nan announced that DPR will be obtaining the proceedings from the New Orleans November 2003 Symposium on Pollution Prevention from Ships and Shipyards. The proceedings are not yet available. However, the symposium agenda can be accessed at http://www.atrp.com/antifouling_coatings_program.htm
- UC Seagrant Extension Program conducts continuous outreach and education for the boating community. The latest nontoxic antifouling strategies publications and videos can be found at <http://seagrant.ucdavis.edu/>. UC Seagrant also recently released a new booklet “Making Dollars and Sense of Nontoxic Antifouling Strategies for Boats.” If you are interested in this booklet or would like to find out more about the program, please contact Leigh Taylor Johnson at (858) 694-2852 or ltjohnson@ucdavis.edu.
- A paper titled “Opinion of the European Commission’s Scientific Committee on Toxicity, Ecotoxicity, and the Environment” to the meeting notes email. It is titled “Netherlands CSTEE out199_en.pdf”. The paper challenges the risk assessment that led to a proposed Dutch ban on copper paints.
- The Department of Water Resources (DWR) began analyzing for copper in marina water and sediment samples from Lake Oroville in late 2003. Jerry Boles of DWR noted that a progress

report would be available shortly. *Perhaps Jerry could give an overview of the DWR study and discuss initial findings at the next meeting.*

The next Copper Sub-Group meeting is scheduled for May 13, 2004 @ 1:00 p.m.

Meeting Minutes Prepared by: Nan Singhasemanon, DPR.